WEST

End of Result Set

☐ | Generate Collection |

L26: Entry 1 of 1   File: USPT   Dec 30, 1997

US-PAT-NO: 5702902
DOCUMENT-IDENTIFIER: US 5702902 A

TITLE: Methods for the diagnosis of body weight disorders including obesity

DATE-ISSUED: December 30, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Tartaglia; Louis Anthony	Watertown	MA	N/A	N/A

US-CL-CURRENT: 435/6; 435/4, 435/7.4, 536/23.1, 536/23.5

CLAIMS:

What is claimed is:
1. A method for diagnosing body weight disorders, comprising detecting, in a patient sample, the level of:
(a) a C5 (SEQ ID NO.:36) or human C5 (SEQ ID NO.:38) gene transcript;
(b) a gene transcript containing a nucleotide sequence present in a cDNA within E. coli clone fahs005a (NRRL Accession No. B-21320);
(c) a gene transcript containing a nucleotide sequence which hybridizes under stringent conditions to the complement of the gene transcript of (a) or (b);
(d) a gene transcript containing a nucleotide sequence which encodes an amino acid sequence depicted in SEQ ID NO.:37, SEQ ID NO.:56 or SEQ ID NO.:51;
(e) a gene transcript containing a nucleotide sequence which encodes an amino acid sequence encoded by a cDNA within E. coli clone fahs005a (NRRL Accession No. B-21320);
(f) a gene product containing an amino acid sequence encoded by a C5 (SEQ ID NO.:36) or human C5 (SEQ ID NO.:38) gene transcript;
(g) a gene product encoded by a nucleotide sequence present in a cDNA within E. coli clone fahs005a (NRRL Accession No. B-21320); or
(h) a gene product containing an amino acid sequence depicted in SEQ ID NO.:37, SEQ ID NO.:56 or SEQ ID NO.:51,
so that if a differential level in the patient sample is detected relative to a corresponding non-body weight disorder sample, a body weight disorder is diagnosed.
2. The method of claim 1 in which the level is induced in

genetically obese individuals.
3. The method of claim 1 in which the level is repressed in genetically obese individuals.
4. The method of claim 1 in which the level is induced by fasting.
5. The method of claim 1 in which the level is repressed by fasting.
6. The method of claim 1 in which the level is repressed by refeeding of a fasted individual.
7. The method of claim 1 in which the level is induced by refeeding of a fasted individual.
8. The method of claim 1 in which the level is induced in underweight individuals.
9. The method of claim 1 in which the level is repressed in underweight individuals.
10. The method of claim 1 in which the level is induced in overweight individuals.
11. The method of claim 1 in which the level is repressed in overweight individuals.